



MATERIAL SAFETY DATA SHEET

WOOD DUST

STIMSON LUMBER COMPANY AND AFFILIATES

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Portland, Oregon 97204

Emergency Phone: 1-800-445-9758

Information Phone: 1-800-445-9758

I. IDENTIFICATION

TRADE NAME: Wood dust

SYNONYMS: None

CAS NO.: None

DESCRIPTION: Particles generated by any manual or mechanical cutting or abrasion process performed on wood products.

II. PHYSICAL DATA

Boiling PointNot Applicable

Specific GravityVariable
Dependent on wood species and moisture content.

Vapor DensityNot Applicable

% Volatiles of VolumeNot Applicable

Melting PointNot Applicable

Vapor PressureNot Applicable

Solubility in H₂O (% by wt.)Insoluble

Evaporation Rate

(Butyl Acetate = 1)Not Applicable

pHNot Applicable

Appearance and Odor

Light to dark colored granular solid

Color and odor are dependent on the wood species and time since dust was generated.

IV. FIRE AND EXPLOSION DATA

Flash PointNot Applicable

Autoignition TemperatureVariable
Typically 400-500° F.

Explosive Limits in Air40 gm/m³ (LEL)

Extinguishing MediaWater, CO₂, Sand

Special Fire Fighting Procedures

Wet down with water

Wet down wood dust to reduce the likelihood of ignition or dispersion of dust into the air. Remove burned or wet dust to open area after fire is extinguished.

Explosion Hazard

Strong to severe explosion hazard

If wood dust "cloud" contacts an ignition source.

III. HEALTH HAZARD DATA

EXPOSURE LIMIT

ACGIH TLV*

TWA - 5.0 mg/m³

STEL (15 min.) 10.0 mg/m³

Softwood

OSHA PEL

TWA - 5.0 mg/m³

STEL (15 min.) 10.0 mg/m³

All softwoods and hardwoods except Western Red Cedar

TWA - 2.5 mg/m³

Western Red Cedar

SKIN AND EYE CONTACT

Eye Irritation and Dermatitis

Wood dust can cause eye irritation. Various species of wood dust can elicit allergic contact dermatitis in sensitized individuals.

INGESTIONNot Applicable

SKIN ABSORPTIONNot Known To Occur

INHALATION

May cause...

Nasal dryness, irritation and obstruction, coughing, wheezing, and sneezing. Sinusitis and prolonged colds have also been reported.

CHRONIC EFFECTS

May cause...

Wood dust, depending on species, may cause dermatitis on prolonged, repetitive contact; may cause respiratory sensitization and/or irritation. Prolonged exposure to wood dust has been reported by some observers to be associated with nasal cancer. Wood dust is not listed as a carcinogen by IARC, NTP, ACGIH or OSHA.

MATERIAL SAFETY DATA SHEET...continued

V. REACTIVITY DATA

Conditions Contributing

to Instability.....

Stable...

Under normal conditions

Incompatibility.....

Avoid contact with...

Oxidizing agents, drying oils and open flame. Product may ignite at temperatures in excess of 400° F.

Hazardous Decomposition

Products.....

Thermal-oxidative degradation of wood produces...

Irritating and toxic fumes and gases, including CO, aldehydes and inorganic acids.

Conditions Contributing

to Polymerization.....Not Applicable

VI. PRECAUTIONS AND SAFE HANDLING

Eye Contact.....Avoid

Skin Contact.....

Avoid...

Repeated or prolonged contact with skin.

Careful bathing and clean clothes are indicated after exposure.

Inhalation.....

Avoid...

Repeated or prolonged breathing of wood dust in air.

Oxidizing Agents.....Avoid

Drying Oils.....Avoid

Open Flame.....Avoid

VII. CONTROL MEASURES

Ventilation.....

Provide...

Adequate general and local exhaust ventilation to maintain healthful working conditions.

Safety Equipment.....

Provide and wear...

Goggles or safety glasses. Other protective equipment such as gloves and approved dust respirators may be needed depending upon dust conditions.

VIII. FIRST AID PROCEDURES

EYES.....

Flush with water...

To remove dust particles. If irritation persists, get medical attention.

SKIN.....

Get medical advice...

If a rash or persistent irritation or dermatitis occur, and before returning to work where wood dust is present.

INHALATION.....

Remove to fresh air...

Get medical advice if persistent irritation, severe coughing, breathing difficulties occur, before returning to work where wood dust is present.

INGESTION.....Not Applicable

IX. CLEAN-UP PROCEDURES

Recovery or Disposal.....

Clean-up...

Sweep or vacuum spills for recovery or disposal; avoid creating dust conditions. Provide good ventilation where dust conditions may occur. Place recovered wood dust in a container for proper disposal.

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